

FIG. 1

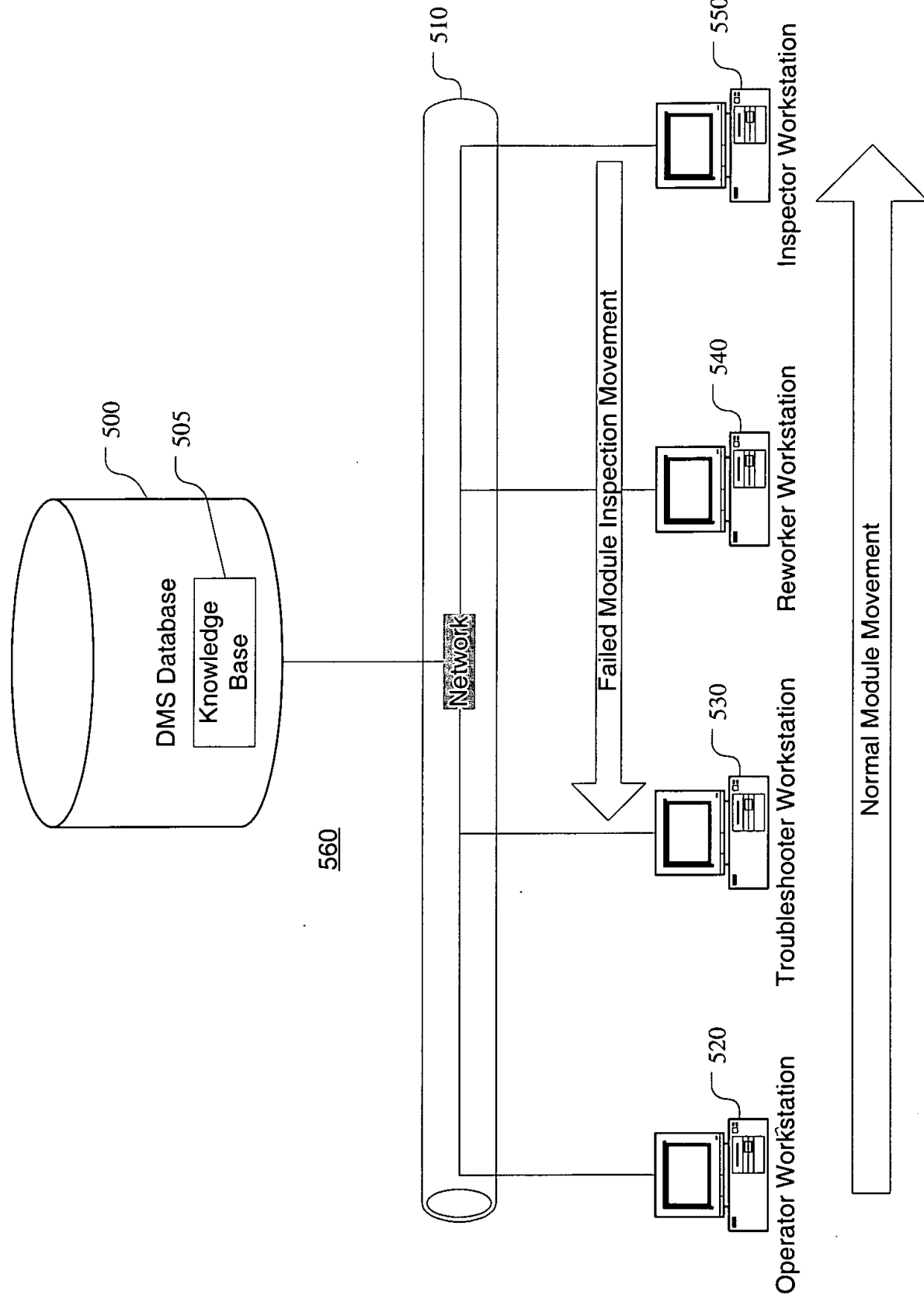


Figure 1

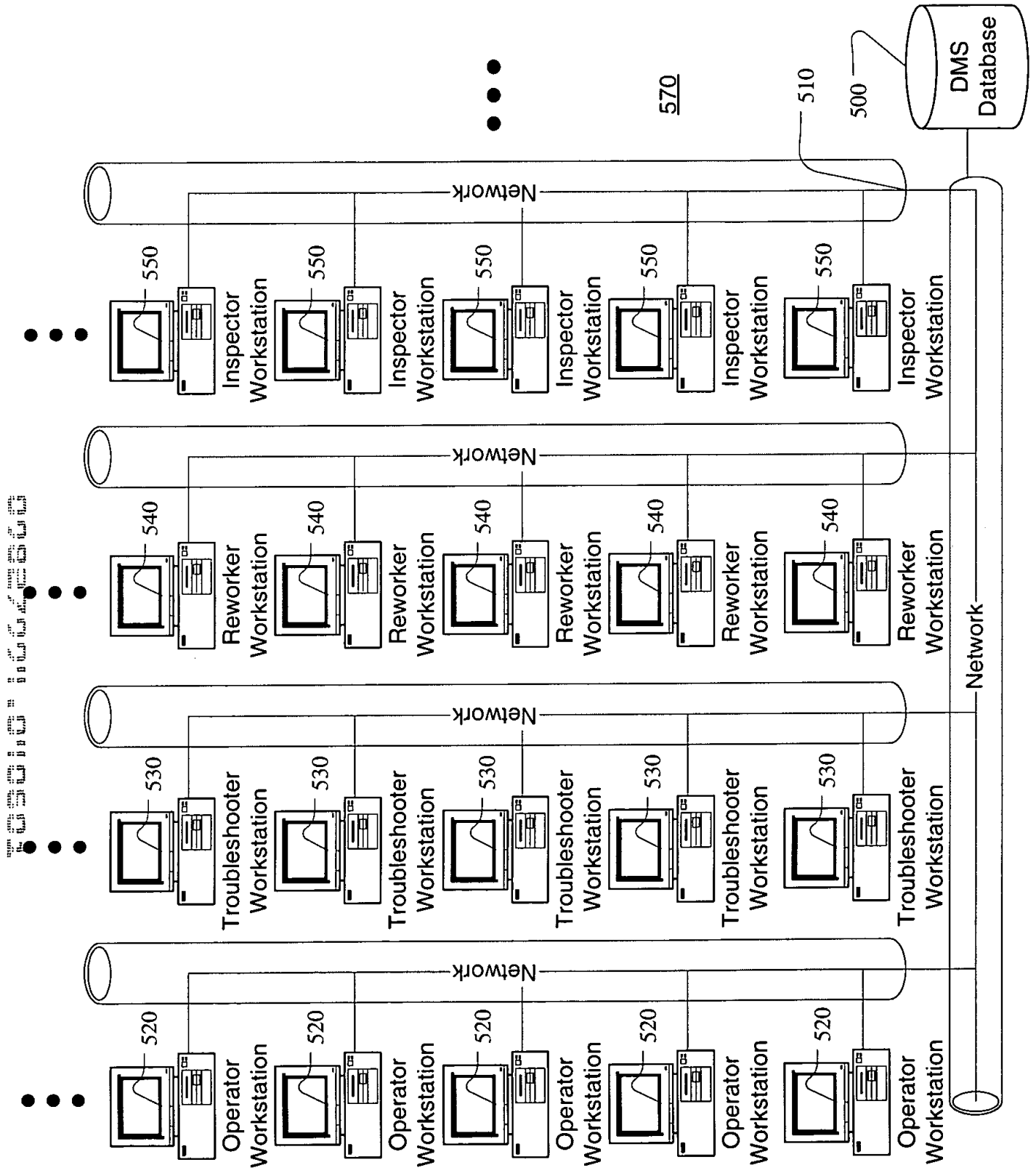


Figure 2

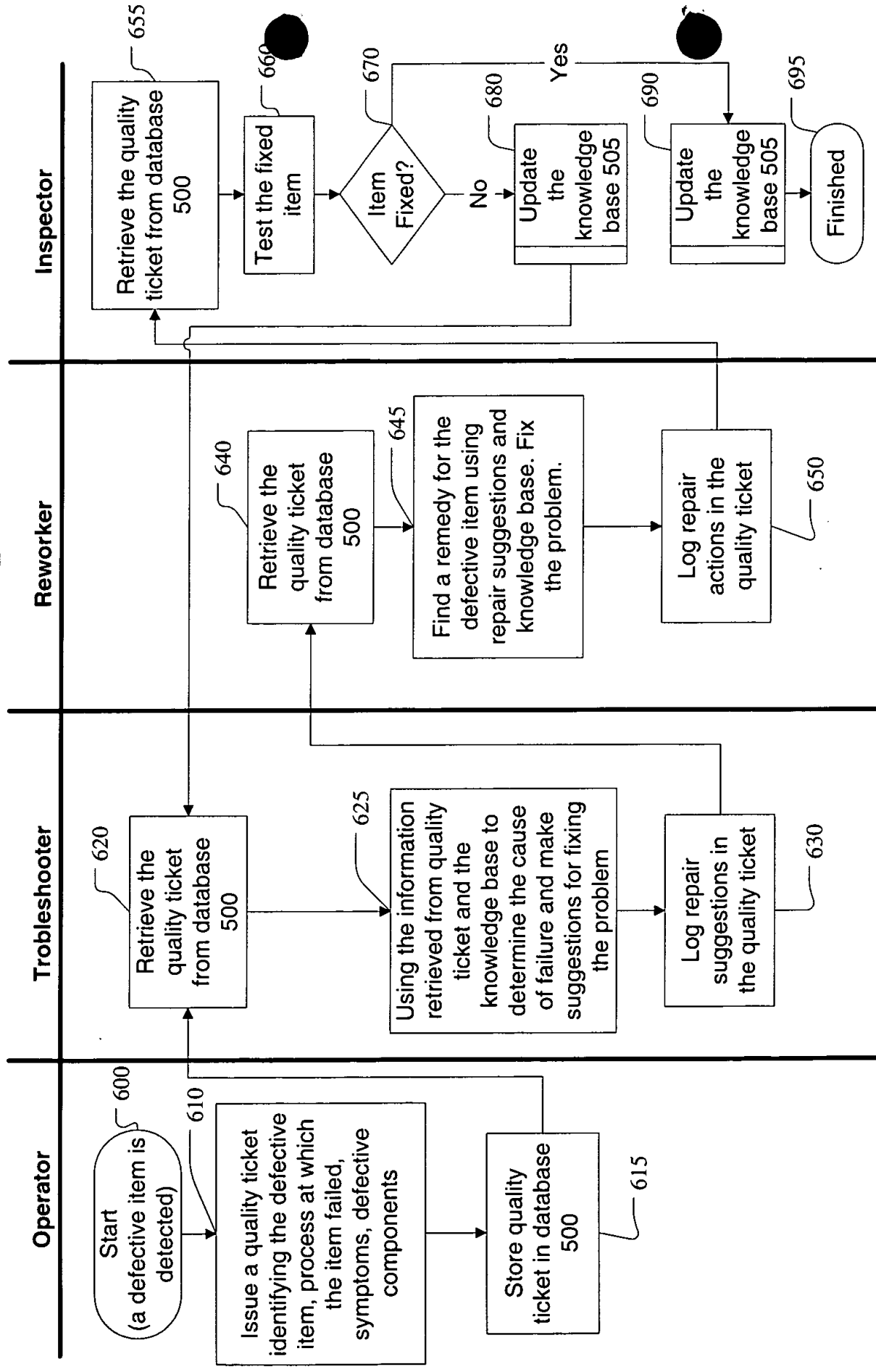


Figure 3

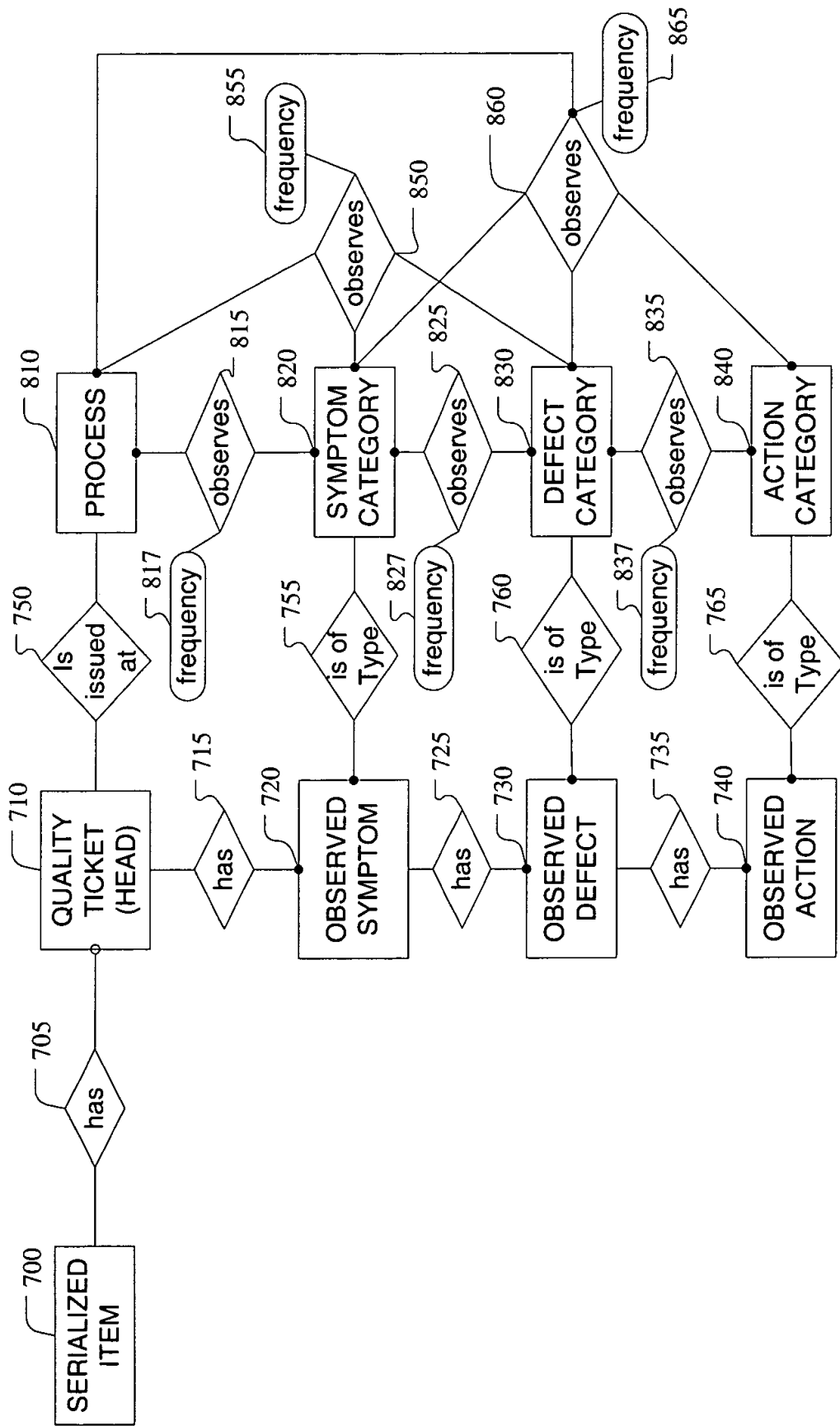


Figure 4

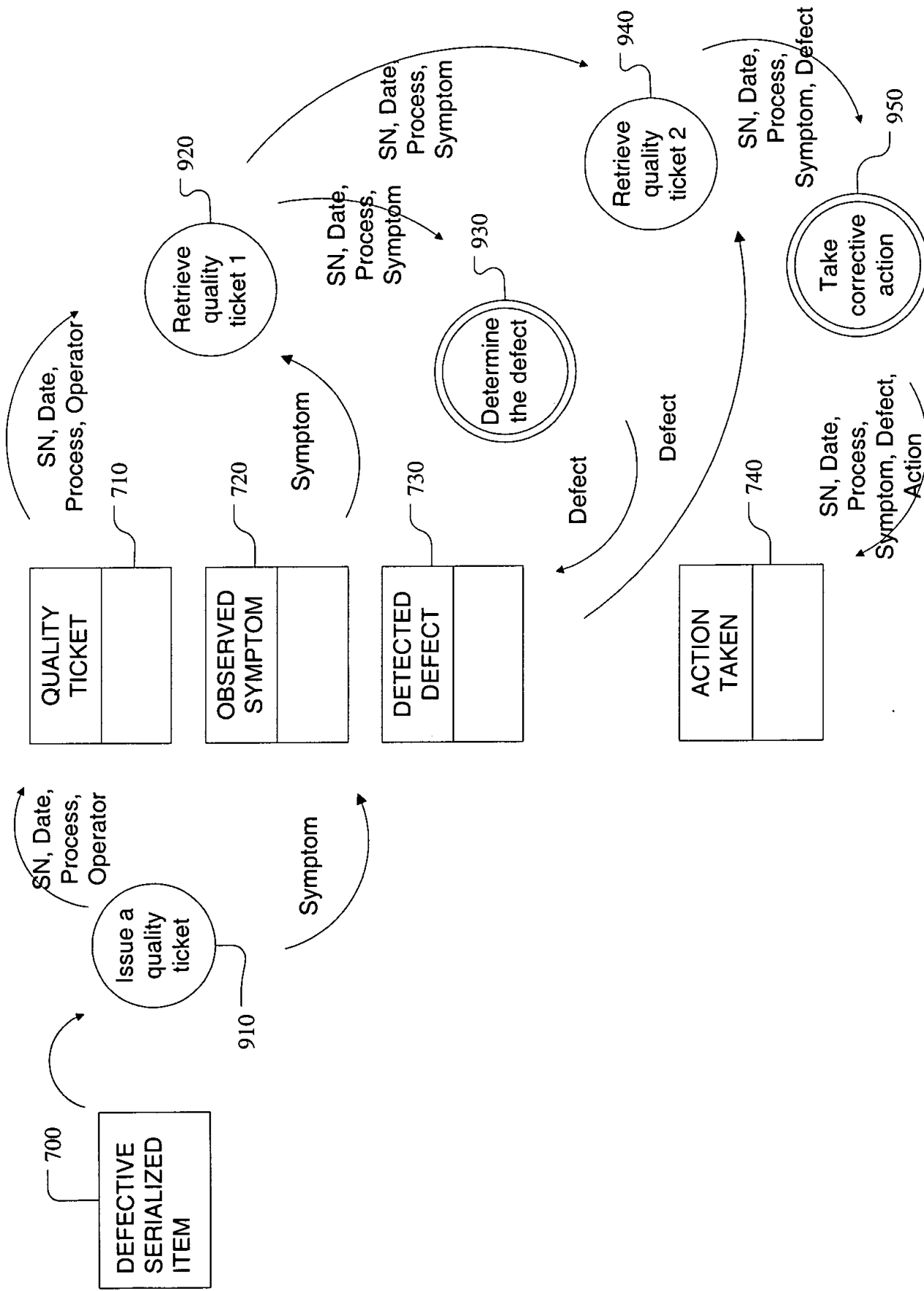


Figure 5

Quality Ticket (v1.2.2)

Serial Number: [] Ticket: []

Module Info: Application: [] Revision: []

Pet Number: [] Description: []

Close Quality Ticket

Area Of Operation: []

Symptom: []

Indicated By: []

Process (Test Stage): [] Process Step (Test): []

Symptom Category: [] Symptom: []

Comment: []

Quality Ticket Explorer OCS Support

Current Operator: CIENAMINOJARRA CIENAMINOJARRA

Save Cancel/New Defect No Detect Close

95 105 140 110 115 120 130 135

Figure 6a

10

15

20

27

30

35

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45

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5a

Serial Number:

Ticket:

Close Quality Ticket

Serialized Item Factory Data

Application

Part Number

Description

Revision

Symptom

Process (Test Stage): CIAO 1

Process Step (Test): DT

Comment:

Area Of Operation: System Test

Quality Ticket Explorer

System Test

7

95

105

140

110

115

120

130

135

Close

No Defect

Defect

Cancel/New

Save

Ciena\dmstestuser1, Ciena\dmstestuser1

Figure 6b

Figure 7

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990

Quality Ticket Explorer

Serial Number

M00000001

Lookup

Filter

☒ Both
☐ Opened
☐ Closed

Module Info

Description

ADM1.DROP(13)4,15,16(193.7THRU194)

Part Number

130-0466-900

Revision

0001

Application

Rework (Rw)

Quality Ticket(s): 101

Serial Number: M00000001

663 [CLOSED]

4:53:00 PM

Test: OET1-Termination BER T

TestStage: OET1 Test

664 [CLOSED]

5:20:00 PM

1277 [CLOSED]

11:00:00 A

4895 [OPEN]

1:23:00 AM

4896 [OPEN]

1:25:00 AM

4897 [CLOSED]

11:45:00 A

4900 [CLOSED]

4:18:00 PM

4901 [CLOSED]

5:05:00 PM

4902 [CLOSED]

5:06:00 PM

4903 [CLOSED]

5:20:00 PM

4904 [CLOSED]

5:28:00 PM

4905 [CLOSED]

5:29:00 PM

4906 [OPEN]

5:51:00 PM

4908 [CLOSED]

2:41:00 PM

4909 [OPEN]

2:44:00 PM

4910 [CLOSED]

2:46:00 PM

4911 [CLOSED]

2:48:00 PM

4912 [CLOSED]

2:55:00 PM

4913 [CLOSED]

2:57:00 PM

Quality Ticket: 663

ON/A -> N/A

Fiber Defects -> Broken Fiber

Fiber -> Remove & Replace

Software Defects -> Wrong Software at Test Station

Visual -> Secure

Action: Visual -> Secure

Operator

Niakam Kazemi

Time

5:11:43 PM

Workstation

OCS_W501

Comment

Components

Feedback

Problem was fixed

Close

Figure 8

Figure 9

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85

7

75

Defect/Action Information for Quality Ticket: 401 [SN: M0154532; PW: 130-0321-910; Rev: B]

Quality Ticket

Symptom Info

Process (Test Steps)

Symptom Category

Comment

Initiated by:

Process Step (Test)

Symptom

Comment

Initiated by:

Defect

Defect Category

Components

Comment

Defect

Components

Comment

Defect Category

Components

Comment

Defect Category

Components

Comment

Defect List and Details

Defect Category

Defect

Log Date/Time

Defect Category

Defect

Log Date/Time

Defect Management System

Defect information was logged in the database.

OK

Defect Management System

Defect information was logged in the database.

OK

Area of Operation: 1

Current Operator: CIENA\voctabuser04

Area of Operation: 1

Current Operator: CIENA\voctabuser04

Figure 10a

Defect/Action Information for Quality Ticket: Ticket#: 4895 [SN: M0000001; PN: 130-0466-900; Rev: 001]

Operator: CIENA\dmstestuser1

Process (Test Stage): OT1 - Rx

Symptom Category: 1-N/A

Area of Operation: 10G

Process Step (Test): RX grating test

Symptom: N/A

Comment:

Defect

Defect Category:

Components:

Comment:

Action

Save

Troubleshooting Guide

Feedback

Close

To get the detailed information on each defect double click on the corresponding row or click on the Feedback button

Status	Defect Category	Defect	Reference Designator(s)
No Action	Component Defects	Damaged	YERE, EEE
No Action	Component Defects	Damaged	tmdd
No Action	Component Defects	Damaged	GGG, DFDD, DDD
No Action	Component Defects	Damaged	

Figure 10b

The screenshot displays a software application window titled "Defect/Action Information for Quality Ticket: Ticket#: 416 [SN: M0000002; PN: 130-0468-900; Rev: 001]". The interface is organized into several sections:

- Quality Ticket:** Displays the ticket number and associated information.
- Symptom Info:** Includes fields for "Process Step (Test)" (set to "3-Print Tables"), "Symptom Category" (set to "N/A"), and "Comment" (set to "Testing/Ignore").
- Initiated by:** A field containing the name "CIENA\miquela, OE MA\miquela".
- Defect:** A section with a "Defect" field.
- Action:** A section with an "Action" field.
- Feedback:** A section with a "Feedback" field and a "Problem was not fixed" checkbox.
- Defect List and Details:** A table with columns for "Defect Category", "Defect", and "Log Date/Time". The table contains one entry: "Fiber Defects", "Broken Fiber", and "04:45:00 PM".
- Buttons:** "Save" and "Cancel" buttons are located at the bottom right.
- Area of Operation:** A field at the bottom right containing "CIENA\miquela, OE MA\miquela".

Annotations with numbers point to various elements: 70 points to the title bar, 75 points to the ticket number, 80 points to the "Process Step (Test)" field, 85 points to the "Symptom Category" field, 200 points to the "Initiated by" field, 295 points to the "Defect" field, 300 points to the "Action" field, 305 points to the "Feedback" field, 310 points to the "Defect List and Details" table, 320 points to the "Save" button, 330 points to the "Cancel" button, 340 points to the "Area of Operation" field, 350 points to the "Close" button, 360 points to the "Problem was not fixed" checkbox, 366 points to the "Log Date/Time" field, 385 points to the "Defect Category" field, and 390 points to the "Defect" field.

Figure 11a

Defect/Action Information for Quality Ticket: Ticket#: 4895 [SN: M0000001; PN: 130-0466-900; Rev: 001]

Operator:	CIENA\dmstestuser1	Area of Operation:	10G
Process (Test Stage):	OT1 - Rx	Process Step (Test):	RX grating test
Symptom Category:	1-N/A	Symptom:	N/A
Comment:			

Action Category:	Defect	Action:
Testing2		Testing2 Step
Components:		
Comment:		

Save

To get the detailed information on each defect double click on the corresponding row or click on the Feedback button

Status	Defect Category	Defect	Reference Designator(s)
Not Fixed	Component Defects	Damaged	YERE, EEE
No Action	Component Defects	Damaged	tmd
No Action	Component Defects	Damaged	
No Action	Component Defects	Damaged	GGG, DFDD, DDD

Feedback Close

Figure 11b

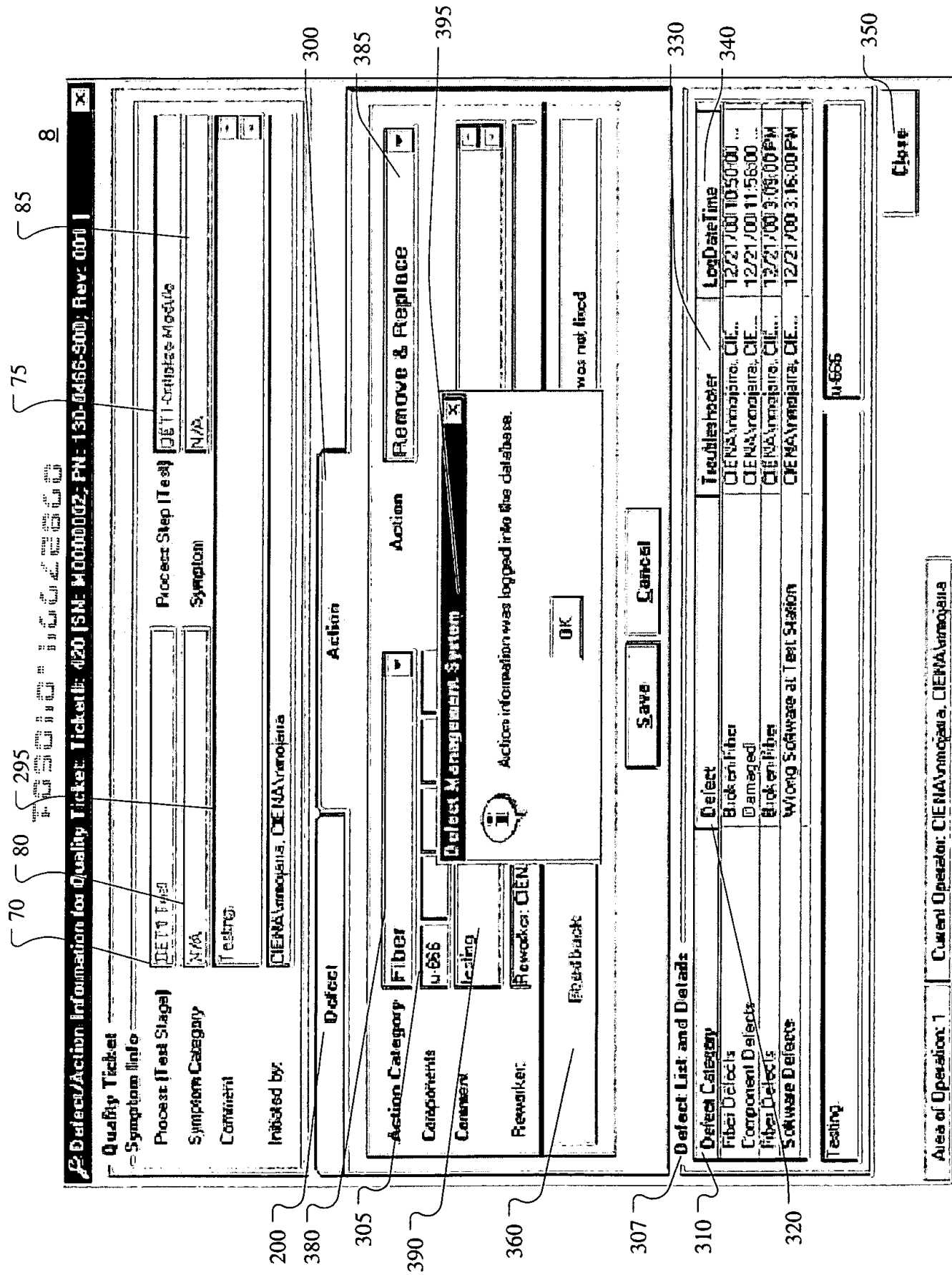


Figure 12

Figure 1 is a screenshot of a software interface titled "Defect/Action Information for Quality Ticket". The interface displays various fields and buttons for managing a quality ticket. Key elements include:

- Quality Ticket:** Ticket#: 416, SN: M0000002, PN: 130-0466-900, Rev: 001.
- Symptom Info:** Process (Test Stage), Symptom Category, Comment.
- Defect:** Defect Category, Components, Comment, Resolution: CENAMUNDO, CENAMUNDO.
- Feedback:** Feedback text, Problem was fixed/not fixed, Save, Cancel.
- Defect List and Details:** Defect Category, Defect, Broken Fiber, Feedback, Problem was fixed/not fixed, Save, Cancel.
- Buttons:** Close, Current Operator.

Figure 13

Figure 1 is a screenshot of a computer screen displaying a window titled "Detailed information for defect: 3305". The window is divided into several sections:

- Troubleshooter:** Kazemi-1, Niakam
- Defect Category:** Component Defects
- RD(s):** YERE, EEE
- Comment:** (Empty text box)

Below the comment section is a table with the following columns and data:

Reworker:	Action Category:	RD(s):	Comment:
Kazemi-1, Niakam	Components	(Empty text box)	Cleaned

Below the table is a checkbox labeled "Problem was not fixed" which is checked.

At the bottom of the window is a feedback section with the text: "This box is to provide the system with feedback on whether the problem with the item has been fixed or not. This information is being checked when closing the quality ticket. If the quality ticket contains a defect with no corresponding action showing 'Problem was fixed' the ticket cannot be closed." Below this text are two radio buttons: "Problem was fixed" and "Problem was not fixed". The "Problem was not fixed" button is selected.

A "Close" button is located at the bottom right of the window.


Figure 14

386

389

388

387


Troubleshooting Guide

The following is a list of the most likely causes for the specified SYMPTOM

Defect Category	Defect	Frequency
Component Defects	Defective Component	58
Testing Defects	Test Error	51
Component Defects	Damaged	26
Fiber Defects	Broken Fiber	11
Connector Defects	Pitted	10
Solder Defects	Insufficient Solder	8
Testing Defects	High Insertion loss	6
Solder Defects	Excessive Solder	5
Testing Defects	Proof Test Break	5
Component Defects	Wrong Component	5

Close

350

Figure 15